

Fact Sheet



For Final Minor Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act

This Fact Sheet serves to address the changes specific to this Minor Modification, and shall be considered a supplement to the original Fact Sheet corresponding with the issuance of the initial Title V operating permit issued on January 30, 2007.

Permit Number: **R30-00500020-2007**
Application Received: **December 11, 2009**
Plant Identification Number: **03-54-005-00020**
Permittee: **Cranberry Pipeline Corporation**
Facility Name: **Danville Compressor Station**
Mailing Address: **Lick Creek Road**
Danville, WV 25053

Permit Action Number: *MM01*, Revised: *April 27, 2010*

Physical Location:	Lick Creek Road, Danville, Boone County, West Virginia
UTM Coordinates:	422.07 km Easting • 4214.25 km Northing • Zone 17
Directions:	From Route 119 south take the second Danville/Madison exit. Go approximately 500 yards and turn onto Lick Creek Road. Go approximately 3.5 miles to the station located on the right.

Facility Description

Danville Compressor Station is a natural gas production facility covered by Standard Industrial Classification (SIC) Code 1311. The station has the potential to operate twenty-four (24) hours per day, seven (7) days per week, fifty-two (52) weeks per year. The station consists of one (1) TEG dehydrator with flare, one (1) dehydrator reboiler, one (1) heating system boiler, three (3) 400 HP natural gas compressor engines, one (1) 800 HP natural gas compressor engine, two (2) 810 HP natural gas compressor engines and nine (9) storage tanks of various sizes.

This modification facilitates the addition of an emergency generator rated at 155 hp to this facility. This modification also incorporates all regulations applicable to this generator.

Emissions Summary

The changes in potential emissions are summarized in the table below:

Regulated Pollutants	Change in Potential Emissions (TPY)
Carbon Monoxide (CO)	+0.015
Nitrogen Oxides (NO _x)	+0.011
Particulate Matter (PM ₁₀)	+0.0028
Total Particulate Matter (TSP)	+0.0028
Sulfur Dioxide (SO ₂)	+0.00017
Volatile Organic Compounds (VOC)	+0.033
<i>PM₁₀ is a component of TSP.</i>	
Hazardous Air Pollutants	Potential Emissions
Formaldehyde	+0.015

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 241.09 tons per year of Nitrogen Oxides. Due to this facility's potential to emit over 100 tons per year of a criteria pollutant, Cranberry Pipeline Corporation is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

The modification to this facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR13	
	45CSR16	New stationary sources.
	45CSR30	Operating permit requirement.
	40 C.F.R. Part 60, Subpart JJJJ	Stationary spark ignition IC engines.
State Only:	45CSR4	No objectionable odors.

Each State and Federally-enforceable condition of the draft Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the draft Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the draft Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
R13-2585B	2/26/2010	None

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table B," which may be downloaded from DAQ's website.

Determinations and Justifications

The following changes were made to this permit:

- Emission Point EG-1E (the emergency generator and three-way catalytic converter) was added to the Emission Units Table.
- The reference for Condition 3.1.3 was changed from "45CSR15" to "45CSR34" to reflect the current air quality rules.
- Conditions 3.5.3 and 3.5.5 were updated to include electronic submittal requirements for the annual certification submitted to USEPA.
- Section 8.0 was added incorporating source-specific requirements for the emergency generator.
- Section 9.0 was added incorporating all applicable 40CFR60 Subpart JJJJ requirements.
- All references to "R13-2585A" were changed to "R13-2585B".

The following conditions from R13-2585B were streamlined with existing Title V permit conditions:

- Condition 9.4.1 was streamlined with Condition 3.4.1 of this Title V permit.
- Condition 9.4.2 was streamlined with Condition 3.4.4 of this Title V permit.
- Condition 9.4.3 was streamlined with Condition 3.4.5 of this Title V permit.

Condition 10.1.1 of R13-2585B was not incorporated into this Title V permit, since this condition is a statement of applicability, not an applicable requirement.

Non-Applicability Determinations

The following requirements have been determined not to be applicable to the subject facility due to the following:

45CSR2—To Prevent and Control Particulate Air Pollution from Combustion of Fuel in Indirect Heat Exchangers: The emergency generator does not meet the definition of a fuel burning unit in 45CSR§2-2.10.

45CSR10—To Prevent and Control Air Pollution from the Emission of Sulfur Oxides: The director has determined that 45CSR10 does not apply to engines; the engines do not meet the definition of a fuel burning unit in 45CSR§10-2.8 or a manufacturing process in 45CSR§2-2.11.

45CSR14—Permits for Construction and Modification of Major Stationary Sources of Air Pollution for the Prevention of Significant Deterioration: This facility is exempt per 45CSR§14-2.43 because with this modification, this facility's emissions are below 250 tons per year.

45CSR34—Emission Standards for Hazardous Air Pollutants (Formerly 45CSR15): This facility is

subject to asbestos inspection and notification requirements, however no asbestos is affected by the changes in this modification.

40 CFR 63, Subpart HHH—National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities: This facility is exempt per 40 C.F.R. 63 § 1270(a) since this facility is not a major HAP source.

40 CFR 63, Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines: The generator's engine is exempt from this subpart per 40 C. F. R. 63 § 6585 since this facility is not a major HAP source.

Request for Variances or Alternatives

None.

Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

Comment Period

Not Applicable

Point of Contact

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Response to Comments (Statement of Basis)

Not applicable.